

PATENT APPLICATION TRANSMITTAL LETTER

ATTORNEYS DOCKET
NUMBER 12-1268

To the Commissioner for Patents:
Box 1450 M.S. PATENT APPLICATION
Alexandria, Virginia 22313-1450

Transmitted herewith for filing is the patent application of
Mr. Michael E. Barsky, Mr. Michael Wojtowicz and Mr. Rajinder R. Sandhu

for an Invention entitled: Hard Substrate Wafer Sawing Process

Enclosed are:

- [X] The Specification containing 23 pages, which includes one page of
abstract and 6 pages of claims. And an attached
[X] Declaration and combined [X] Power of Attorney.
[X] The Drawings, consisting of 2 sheets.
[X] An ASSIGNMENT in favor of Northrop Grumman Corporation, a LARGE entity, and a
[X] Recordation Form Cover Sheet

The filing fee was determined as follows:

Claims as Filed - LARGE ENTITY				
For	Number Filed	Number Extra	Rate	CALCULATION
Total Claims	18- 20	0	x \$18.00 =	0.00
Independent Claims	3- 3	0	x \$84.00 =	00.00
Multiple Dependent Claims (if any)			+\$280.00	0.00
Basic Fee				\$770.00
TOTAL				\$770.00
TOTAL FILING FEE ..				\$770.00

Enclosed please find two of my credit card authorizations (form PTO-2038) in the respective amounts of \$770.00 to cover the filing fee and \$40.00 as the fee to record the assignment. The total fees are \$810.00.

Kindly charge any additional fees for this filing to my deposit account No. 07-1525. An additional copy of this letter is enclosed for that purpose.

Kindly apply the mail room stamp to the enclosed postcard and deposit same in the mails to acknowledge receipt of these papers.

Date: October 21, 2003



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CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited on the date shown below with the United States Postal Service in an envelope addressed to the Commissioner for Patents, Box 1450, MS PATENT APPLICATION, Alexandria, Virginia 22313-1450.

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Signature: *Myrna J. Goldman* Date: OCT. 22, 2003